

WHAT IS CLAIMED IS

1. A mounted soil core sample including in combination:
 - a soil core sample having a cylindrical shape with a first predetermined diameter and a first predetermined length; and
 - a plastic casing molded about the soil core sample in intimate physical contact therewith, the casing having an external diameter greater than the first predetermined external diameter of the soil core sample.
2. The mounted soil core sample according to Claim 1 wherein the plastic casing is transparent.
3. The mounted soil core sample according to Claim 2 wherein the plastic casing is a molded plastic casing fully enclosing the soil core sample.
4. The mounted soil core sample according to Claim 3 wherein the plastic casing is made of a catalyzed plastic resin.
5. A mounted soil core sample according to Claim 4 wherein the soil core sample is a stabilized soil core sample.
6. The mounted soil core sample according to Claim 5 wherein the stabilized soil core sample is an adhesively bonded soil core sample.

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7. A mounted soil core sample according to Claim 1 wherein the soil core sample is a stabilized soil core sample.

8. The mounted soil core sample according to Claim 7 wherein the stabilized soil core sample is an adhesively bonded soil core sample.

9. The mounted soil core sample according to Claim 1 wherein the plastic casing is a molded plastic casing fully enclosing the soil core sample.

10. The mounted soil core sample according to Claim 9 wherein the plastic casing is made of a catalyzed plastic resin.

11. The mounted soil core sample according to Claim 1 wherein the plastic casing is made of a catalyzed plastic resin.

12. The mounted soil core sample according to Claim 11 wherein the plastic casing is transparent.

13. A method of mounting a soil core sample including the steps of:

- obtaining a soil core sample in a length of hollow cylindrical pipe;
- bonding the elements of the soil core sample together within the pipe;
- removing the bonded soil core sample from the pipe; and
- molding clear plastic resin around the soil core sample.

1 14. The method of mounting a soil core sample according to Claim 13 wherein the step of
2 bonding the elements of the soil core sample together comprises adhesively bonding the elements
3 of the core sample together.
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5 15. The method according to Claim 14 wherein the step of molding clear plastic resin around
6 the soil core sample comprises molding clear plastic resin completely around the soil core sample.
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8 16. The method according to Claim 15 wherein the step of bonding the soil core sample
9 comprises infiltrating the soil core sample within the pipe with an adhesive solution.
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11 17. The method according to Claim 16 wherein the step of molding clear plastic resin
12 around the soil core sample includes suspending the bonded soil core sample within a mold and
13 pouring catalyzed liquid resin into the mold to surround the soil core sample.
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15 18. The method of mounting a soil core sample according to Claim 17 including the further
16 step of drying the soil core sample after infiltrating the soil core sample with an adhesive solution.
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18 19. The method according to Claim 13 wherein the step of bonding the soil core sample
19 comprises infiltrating the soil core sample within the pipe with an adhesive solution.
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21 20. The method of mounting a soil core sample according to Claim 19 including the further
22 step of drying the soil core sample after infiltrating the soil core sample with an adhesive solution.
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1 21. The method according to Claim 13 wherein the step of molding clear plastic resin
2 around the soil core sample includes suspending the bonded soil core sample within a mold and
3 pouring catalyzed liquid resin into the mold to surround the soil core sample.

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5 22. The method according to Claim 13 wherein the step of molding clear plastic resin around
6 the soil core sample comprises molding clear plastic resin completely around the soil core sample.

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8 23. The method according to Claim 20 wherein the step of infiltrating the soil core sample
9 within the pipe with an adhesive solution comprises infiltrating the soil core sample with a dilute
10 solution of latex glue and water.

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12 24. The method according to Claim 23 wherein the step of removing the soil core sample
13 from the pipe comprises splitting the pipe open to expose the bonded soil core sample.

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16 25. A method according to Claim 23 wherein the step of obtaining a soil core sample in a
17 length of hollow cylindrical pipe comprises obtaining the soil core sample in a length of hollow PVC
18 pipe and the step of removing the soil core sample from the pipe includes splitting the pipe
19 longitudinally to separate the pipe from the soil core sample.

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21 26. A method according to Claim 13 wherein the step of obtaining a soil core sample in a
22 length of hollow cylindrical pipe comprises obtaining the soil core sample in a length of hollow PVC
23 pipe and the step of removing the soil core sample from the pipe includes splitting the pipe
24 longitudinally to separate the pipe from the soil core sample.